

Heating of Bodies at (Cont.)

SOV/5897

cases. The initial data for the sample numerical computations and the graphs are arbitrary. The author thanks N. A. Kheyfets, Doctor of Technical Sciences, S. A. Povitskiy, Candidate of Technical Sciences, V. S. Avduyevskiy, Docent, Candidate of Technical Sciences, and I. I. Drakin, Candidate of Technical Sciences. There are 35 references: 30 Soviet and 5 English.

TABLE OF CONTENTS:

Preface	3
Conventional Symbols	5
Ch. I. Problem of the "Heat Barrier." Effect of Heating on Aircraft Structures	7
Ch. II. Aerodynamic Heating of an Aircraft Surface	11
1. Airflow around bodies. Temperature in the airflow	11
Card 3/6	

Heating of Bodies at (Cont.)

SOV/5897

2. Parameters of the airflow behind a shock wave	16
3. Heat exchange on the surface of a body in a gas flow	21
4. Equation of heat exchange on the surface of a thin skin	28
Ch. III. Calculation of the Temperature of the Skin of an Aircraft	30
1. Convective heat flow	30
2. Parameters of the atmosphere	38
3. Calculation of steady-state temperature of the skin	38
4. Calculation of the temperature of a high-specific-heat skin in the case of transient heat exchange	43
5. Calculation of aircraft-surface temperature at frontal stagnation points. Effect of body shape on heat exchange	47

Card 4/6

Heating of Bodies at (Cont.)	SOV/5897
6. Effect of surface roughness on aerodynamic heating	50
7. Effect of dissociation of the air at high Mach numbers on the skin temperature	51
Ch. IV. Methods for Prevention of Aerodynamic Heating	54
1. Thickening the skin	54
2. Insulation of outer skin surface	54
3. Internal cooling	56
4. Porous-injection and mass-transfer cooling systems	56
Appendix 1. Supersonic flow around a cone	58
Appendix 2. Reference material for calculation of skin temperature	90

Card 5/6

Heating of Bodies at (Cont.)

SOV/5897

Bibliography

105

AVAILABLE: Library of Congress

SUBJECT: Aerospace

Card 6/6

IS/wrc/jw
3/5/62

L 17006-66 EWT(d)/EWP(1) IJP(c) GS/BC

ACC NR: AT6003571

SOURCE CODE: UR/0000/65/000/000/0148/0179

AUTHOR: Bukreyev, V. Z.

ORG: none

TITLE: Determination of the optimum control processes for winged flying craft taking inequality type limitations into account

SOURCE: Issledovaniya po dinamike poleta (Research on flight dynamics), no. 1. Moscow, Izd-vo Mashinostroyeniye, 1965, 148-179

TOPIC TAGS: optimal control, aircraft, aerodynamic heating, algorithm, mathematic analysis, supersonic aircraft

ABSTRACT: This article deals with the problem of the determination of the optimal control process from the condition of maximum range on the passive stage in the movement of a supersonic winged flying craft, with aerodynamic heating taken into account. The limitations on the controls and phase coordinates of the craft are considered in the form of inequalities of the type $L\beta_2 \leq l \leq L\beta_2$. They lead to a non-classical formulation of the

Card 1/2

UDC: 629.19.04.005

L 17006-66

ACC NR: AT6003571

variation problem; however, by using a series of configurations the classical variation method can be applied to problems of this type. Such techniques include: the direct study of the variations, the mapping of the closed region of change of the control parameters and phase coordinates on an open region through the introduction of auxiliary equations, and the Pontryagin maximum principle. A solution algorithm is constructed using a concrete problem as an example by the method of opening the region through the introduction of auxiliary expressions. In addition to the first necessary conditions for the steady state of the initial functional, this algorithm contains all the necessary and sufficient conditions for a strong relative maximum (minimum). The first necessary condition for the extremum of the functional under consideration is treated in detail and the fundamental working hypotheses are outlined. The necessary and sufficient conditions for the existence of an extremum are considered and the necessary Weyerstrass and Jakobi conditions are discussed. Orig. art. has: 168 formulas.

SUB CODE: 01, 12, 20 / SUBM DATE: 02Aug65 / ORIG REF: 009 / OTH REF: 001

Card 2/2 *MS*

BUKREYEV, Ye.; DENISOV, V.

New methods for regulating traffic. Zhil.-kom.khoz. 6 no.7:
28-29 '56. (MLRA 10:2)

1. Nauchnyy sotrudniki Akademii kommunal'nogo khozyaystva.
(United States--Traffic engineering)

BUKREYEV, Ye.; DENISOV, V.

~~Street marking machinery~~ Street marking machinery. Zhil.-kom. khoz. 8 no. 6:29-30 '58.
(MIRA 11:7)
(Road markings)

BUKREYEV, Ye.D., brigadir

~~Method for assembling pipelines in closed tunnels.~~ Mats. i izobr.
predl. v stroi. no.7:114-115 '58. (MIRA 11:12)
(Pipelines)

L 06532-67

EWI(m)/EMP(t)/ETI

IJP(c)

JD/WW/JG

ACC NR: AP7000474

SOURCE CODE: UR/0089/66/020/004/0346/0346

LEBEDEV, V. A., NICHKOV, N. F., RASPOPIN, S. P. and BUKREYEV, YU. F.

"Determination of Uranium Solubility in Bismuth by the EMF Method"

Moscow, Atomnaya Energiya, Vol 20, No 4, 1966, p 346

Abstract: Results are presented of the study of the solubility of uranium in bismuth in the 400-800°C range by the EMF method. The results obtained are in excellent agreement with those obtained by the high temperature filtration method. The liquidus line can be represented approximately by two straight lines whose equations have the form:

$$\lg C_U(\text{wt } \%) = 2.480 - \frac{2160}{T, ^\circ\text{K}} \quad (400-480^\circ\text{C});$$

$$\lg C_U(\text{wt } \%) = 3.354 - \frac{2810}{T, ^\circ\text{K}} \quad (480-800^\circ\text{C}).$$

The break and increased slope of the liquidus line are observed at 480°C. The deviation from experimental values of solubility does not exceed 3%.

Card 1/2

UDC: 541.135

L 06532-67

ACC NR: AP7000474

The use of different alkaline metal chloride melts as well as their mixtures, as electrolytes permitted the authors to estimate the effect of alkaline metals on solubility. These metals enter the uranium-bismuth alloy from the melt of the salts, forming stable compounds with bismuth. Potassium and sodium increase the solubility of uranium in bismuth. Thus, when the K content in the alloy is 0.054 at. %, an increase of 10% is observed in the uranium solubility. When the K content is increased to 0.5 at. %, solubility is increased by 42%. Approximately the same increase in solubility was observed when 0.11 at. % K and 0.20 at. % Na were present in the alloy.

[JPRS: 37,111]

ORG: none

TOPIC TAGS: solubility, molten metal / uranium alloy, bismuth alloy

SUB CODE: 11, 07 / SUBM DATE: 29Jul65 / OTH REF: 002

Card 2/2 *egh*

BUKREYEV, YE. M.

Bukreyev, Ye. M. — "Investigation of the Processes of Loading, Packing, and Unloading in Rubbish-Carrying Machines." Acad Communal Economy imeni K. D. Pamfilov, Moscow, 1955 (Dissertation for Degree of Candidate of Technical Sciences).

SO: Knizhnaya Letopis', No. 23, Moscow, June, 1955, pp. 87-104.

BUKREYEV, Ye. M.

SIDOROV, Nikolay Vasil'yevich; BUKREYEV, Ye. M., kand. tekhn. nauk, red.;
SHNEYEROV, S. A., red. izd-va; GUROVA, O. A., tekhn. red.

[Operation of electric clocks] Eksploatatsiya elektrochasyovykh
ustroystv. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1958. 141 p.
(Clocks, Electric) (MIRA 11:5)

BUKREYEV, Yevgeniy Mikhaylovich; DENISOV, Vasiliy Nikolayevich;
KARABAN, Georgiy L'vovich; BEREZANTSEV, B.B., red.;
YEVDOKIMOVA, Ye.D., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Foreign machinery for city cleaning] Zarubezhnye mashiny dlia
sanitarnoi ochistki i uborki gorodov. Moskva, Izd-vo M-va
kommun. khoziaistva RSFSR, 1961. 178 p. (MIRA 15:2)
(Street-cleaning machinery)

BESSONOV, A.A., kand.tekhn.nauk; BUKREYEV, Ye.M., kand.tekhn.nauk,
nauchnyy red. BOTOVA, Yu.P., red.

[Sand sampler for rapid filters of water-supply systems] Probost-
bornik dlia peska na skorykh fil'trakh vodoprovodov. 1959. 8 p.
(Akademiia kommunal'nogo khoziastva. Informatsionnoe pis'mo,
no.4). (MIRA 14:1)
(Water--Purification) (Filters and filtration)

BUKREYEV, Ye.M.

Determination of the principal design and the calculated parameters
of trash trucks. Stor.nauch.rab. AKKH no.3:155-176 '60.
(MIRA 15:4)

(Motortrucks)

BUKREYEV, Yevgeniy Mikhaylovich; DENISOV, Vasiliy Nikolayevich;
KARABAN, Georgiy L'vovich; BEREZANTSEV, B.B., red.;
YEVDOKIMOVA, Ye.D., red. izd-va; LELYUKHIN, A.A., tekhn.
red.

[Foreign municipal sanitary engineering machinery] Zaru-
beznye mashiny dlia sanitarnoi ochistki i uborki gorodov.
Moskva, Izd-vo M-va kommun. khoz.RSFSR, 1961. 178 p.

(MIRA 15:10)

(Sanitary engineering—Equipment and supplies)

BUKREYEV, Ye.M., kand. tekhn. nauk

Present-day refuse collecting machinery in foreign countries.

Nov. tekhn. zhil.-kom. khoz.: Blagoustr. gor. [no.1]:36-51 '61.

(MIRA 18:5)

MINAYEV-TSIKANOVSKIY, V.A.; BUKREYEV, Ye.M.; KORNOPELEV, A.S.

Basic trends in the design of high-capacity laundry equipment
in foreign countries. Nauch. trudy AKKH no.32:135-153 '64.
(MIRA 19:1)

ZOLOTAVIN, V.I.; BUKREYEV, Yu.F.; TOLSTOV, L.K.; BEZRUKOV, I.Ya.

Photometric determination of sodium in pure vanadium pentoxide.

Zhur. prikl. spektr. 2 no.5:461-462 My '65.

(MIRA 18:7)

ROSHCHUPKIN, D.V., kand. tekhn. nauk; BUKREYEVA, A.S., inzh.

Pear-shaped heads for a suction dredge. Transp. stroi. 13
no.5:66-68 My '63. (MIRA 16:7)

(Dredging machinery)

BUKREYEVA, D. P.

BUKREYEVA, D. P.: "Age changes in the maximum rate of movement in children from 7 to 16 years old". Moscow, 1955. Academy of Pedagogical Sciences RSFSR. Sci Res Inst of Physical Training and School Hygiene. (Dissertations for the degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

BUKREYEVA, D.P., nauchnyy sotrudnik; DEMINA, E.M., nauchnyy sotrudnik;
POPOVA, N.M., nauchnyy sotrudnik,

Improvement of artificial illumination of school classrooms.
Gig i san. 24 no.4:83-85 Ap '59. (MIRA 12:7)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii
i gigiyeny imeni P.F. Erismana Ministerstva zdravookhraneniya RSFSR.
(SCHOOLS,
illumination (Rus))
(ILLUMINATION,
of schools (Rus))

BUKREYEVA, D.P.

Investigation of muscular biocurrents in young athletes during
repeated exercises for strength, speed, and endurance. Probl.
vrach kontr. no.5:301-316 '60. (MIRA 14:3)
(ELECTROMYOGRAPHY) (EXERCISE)

BUKREYEVA, D.P.; PERESLEN, L.I.

Significance of motor task in rhythmical work of various strain.
Fiziol. zhur. 51 no 8:1005-1011 Ag '65. (MIRA 18:7)

1. Laboratoriya fiziologii truda Nauchno-issledovatel'skogo instituta
fizicheskogo vospitaniya i shkol'noy gigiyeny Akademii pedagogicheskikh
nauk RSFSR, Moskva.

Handwritten: 22

Handwritten: [Signature]

Substituting asphalt obtained from acid sludge for imported gilsonite. L. M. BUREVA. *Nefteyane Khozyaystvo* 22, 293-5 (1932).—Acid-sludge emulsion from Kumba spindle oil was broken up by live steam, by adding phenol (0.5%) and by sodium naphthenate. Three layers resulted in all cases: upper layer, 0.08-0.14% H_2SO_4 , 49-51% resins, 3.05-4.8% asphaltene, 32.8-34% oil, 3.4-3.6% H_2O and no carboids. second layer, 2.4-3.0% H_2SO_4 , 14-18% resins, 45.21-48% asphaltene, 10.5-12% oil, 15.6-16.7% H_2O and 4 (X)-4.0% carboids; the lower layer contained acid of 30-32% H_2SO_4 . The asphalt, although separated by different methods, did not show any differences in properties. The first and the second layers were oxidized in the presence of MnO_2 , which acts as both catalyst and oxidizing agent. The asphalt obtained was mixed with other substances in the following proportions: 16% asphalt, 8% linseed oil, 10% "blue oil" and 66% varnish kerosene. The varnish thus prepared has a higher dielectric strength than varnish from gilsonite. A. A. HORITLINGK

ASH-SLA DETALLURGICAL LITERATURE CLASSIFICATION

CLASS	SECTION	SUBSECTION	DETAILS
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

26

CA

PROCESSES AND PROPERTIES INDEX

Film-forming substances. L. M. Bukreeva-Prozorovskaya. Russ. 39,708, Nov. 30, 1934.—The still residues from the prepn. of synthetic rubber are polymerized under pressure of 10–12 atm. in the presence of $ZnCl_2$ and $AlCl_3$ catalysts. The unpolymerized portion is distd. off. The product is used alone or after addn. of a drier as a lacquer.

ASD-55A METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																									
1ST AND 2ND DROPS													3RD AND 4TH DROPS												
<i>Be</i> <i>B-2-1</i> Coefficient of distribution of acetaldehyde between butadiene and water during the washing of crude butadiene. L. M. BUKHARAYA-PROKOPOVICH and I. M. TEREKOVNIKOVA (Bulet. Karkachuk, 1934, No. 1, 36-40). —The ratio of the amount of MeCHO (I) in the butadiene (II) to the amount in the H₂O increases with temp. and with decreasing concn. of (I) in (II). Ch. Abs. (r)																									
ASD-51A METALLURGICAL LITERATURE CLASSIFICATION																									
RECORD NO. 111																									
RECORD NO. 111																									

10

CO

Obtaining ethyl acetate by means of contact decomposition of ethyl alcohol. L. M. Bakreva-Prozorovskaya and Z. S. Yanulshva. *Dokl. Akad. Nauk SSSR* 1956, No. 3, 17-18. — AcOEt was obtained in accordance with the reactions (1) $2\text{EtOH} \rightarrow 2\text{AcH} + \text{H}_2$ and (2) $2\text{AcH} \rightarrow \text{AcOEt}$ in the presence of a binary catalyst composed of a dehydrogenated component "A" and condensed component "B" with the addn. of promoters "a, b and c" (their compns. are not given). The catalyst used was 30% "A", 10% "B" and 10% "a, b, c" temp. 250°, velocity of alc. run 7.5 cc. per hr., and the condensate obtained was of the following compn.: AcOEt 60.64, AcOH 3.6 and AcH 3.6%. The catalyst worked for 500 hrs. without decrease in activity. Six references. A. Pristoff

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

1950-1959

1960-1969

1970-1979

1980-1989

1990-1999

2000-2009

2010-2019

2020-2029

2030-2039

2040-2049

2050-2059

2060-2069

2070-2079

2080-2089

2090-2099

2100-2109

2110-2119

2120-2129

2130-2139

2140-2149

2150-2159

2160-2169

2170-2179

2180-2189

2190-2199

2200-2209

2210-2219

2220-2229

2230-2239

2240-2249

2250-2259

2260-2269

2270-2279

2280-2289

2290-2299

2300-2309

2310-2319

2320-2329

2330-2339

2340-2349

2350-2359

2360-2369

2370-2379

2380-2389

2390-2399

2400-2409

2410-2419

2420-2429

2430-2439

2440-2449

2450-2459

2460-2469

2470-2479

2480-2489

2490-2499

2500-2509

2510-2519

2520-2529

2530-2539

2540-2549

2550-2559

2560-2569

2570-2579

2580-2589

2590-2599

2600-2609

2610-2619

2620-2629

2630-2639

2640-2649

2650-2659

2660-2669

2670-2679

2680-2689

2690-2699

2700-2709

2710-2719

2720-2729

2730-2739

2740-2749

2750-2759

2760-2769

2770-2779

2780-2789

2790-2799

2800-2809

2810-2819

2820-2829

2830-2839

2840-2849

2850-2859

2860-2869

2870-2879

2880-2889

2890-2899

2900-2909

2910-2919

2920-2929

2930-2939

2940-2949

2950-2959

2960-2969

2970-2979

2980-2989

2990-2999

3000-3009

3010-3019

3020-3029

3030-3039

3040-3049

3050-3059

3060-3069

3070-3079

3080-3089

3090-3099

3100-3109

3110-3119

3120-3129

3130-3139

3140-3149

3150-3159

3160-3169

3170-3179

3180-3189

3190-3199

3200-3209

3210-3219

3220-3229

3230-3239

3240-3249

3250-3259

3260-3269

3270-3279

3280-3289

3290-3299

3300-3309

3310-3319

3320-3329

3330-3339

3340-3349

3350-3359

3360-3369

3370-3379

3380-3389

3390-3399

3400-3409

3410-3419

3420-3429

3430-3439

3440-3449

3450-3459

3460-3469

3470-3479

3480-3489

3490-3499

3500-3509

3510-3519

3520-3529

3530-3539

3540-3549

3550-3559

3560-3569

3570-3579

3580-3589

3590-3599

3600-3609

3610-3619

3620-3629

3630-3639

3640-3649

3650-3659

3660-3669

3670-3679

3680-3689

3690-3699

3700-3709

3710-3719

3720-3729

3730-3739

3740-3749

3750-3759

3760-3769

3770-3779

3780-3789

3790-3799

3800-3809

3810-3819

3820-3829

3830-3839

3840-3849

3850-3859

3860-3869

3870-3879

3880-3889

3890-3899

3900-3909

3910-3919

3920-3929

3930-3939

3940-3949

3950-3959

3960-3969

3970-3979

3980-3989

3990-3999

4000-4009

4010-4019

4020-4029

4030-4039

4040-4049

4050-4059

4060-4069

4070-4079

4080-4089

4090-4099

4100-4109

4110-4119

4120-4129

4130-4139

4140-4149

4150-4159

4160-4169

4170-4179

4180-4189

4190-4199

4200-4209

4210-4219

4220-4229

4230-4239

4240-4249

4250-4259

4260-4269

4270-4279

4280-4289

4290-4299

4300-4309

4310-4319

4320-4329

4330-4339

4340-4349

4350-4359

4360-4369

4370-4379

4380-4389

4390-4399

4400-4409

4410-4419

4420-4429

4430-4439

4440-4449

4450-4459

4460-4469

4470-4479

4480-4489

4490-4499

4500-4509

4510-4519

4520-4529

4530-4539

4540-4549

4550-4559

4560-4569

4570-4579

4580-4589

4590-4599

4600-4609

4610-4619

4620-4629

4630-4639

4640-4649

4650-4659

4660-4669

4670-4679

4680-4689

4690-4699

4700-4709

4710-4719

4720-4729

4730-4739

4740-4749

4750-4759

4760-4769

4770-4779

4780-4789

4790-4799

4800-4809

4810-4819

4820-4829

4830-4839

4840-4849

4850-4859

4860-4869

4870-4879

4880-4889

4890-4899

4900-4909

4910-4919

4920-4929

4930-4939

4940-4949

4950-4959

4960-4969

4970-4979

4980-4989

4990-4999

5000-5009

5010-5019

5020-5029

5030-5039

5040-5049

5050-5059

5060-5069

5070-5079

5080-5089

5090-5099

5100-5109

5110-5119

5120-5129

5130-5139

5140-5149

5150-5159

5160-5169

5170-5179

5180-5189

5190-5199

5200-5209

5210-5219

5220-5229

5230-5239

5240-5249

5250-5259

5260-5269

5270-5279

5280-5289

5290-5299

5300-5309

5310-5319

5320-5329

5330-5339

5340-5349

5350-5359

5360-5369

5370-5379

5380-5389

5390-5399

5400-5409

5410-5419

5420-5429

5430-5439

5440-5449

5450-5459

5460-5469

5470-5479

5480-5489

5490-5499

5500-5509

5510-5519

5520-5529

5530-5539

5540-5549

5550-5559

5560-5569

5570-5579

5580-5589

5590-5599

5600-5609

5610-5619

5620-5629

5630-5639

5640-5649

5650-5659

5660-5669

5670-5679

5680-5689

5690-5699

5700-5709

5710-5719

5720-5729

5730-5739

5740-5749

5750-5759

5760-5769

5770-5779

5780-5789

5790-5799

5800-5809

5810-5819

5820-5829

5830-5839

5840-5849

5850-5859

5860-5869

5870-5879

5880-5889

5890-5899

5900-5909

5910-5919

5920-5929

5930-5939

5940-5949

5950-5959

5960-5969

5970-5979

5980-5989

5990-5999

6000-6009

6010-6019

6020-6029

6030-6039

6040-6049

6050-6059

6060-6069

6070-6079

6080-6089

6090-6099

6100-6109

6110-6119

6120-6129

6130-6139

6140-6149

6150-6159

6160-6169

6170-6179

6180-6189

6190-6199

6200-6209

6210-6219

6220-6229

6230-6239

6240-6249

6250-6259

6260-6269

6270-6279

6280-6289

6290-6299

6300-6309

6310-6319

6320-6329

6330-6339

6340-6349

6350-6359

6360-6369

6370-6379

6380-6389

6390-6399

6400-6409

6410-6419

6420-6429

6430-6439

6440-6449

6450-6459

6460-6469

6470-6479

6480-6489

6490-6499

6500-6509

6510-6519

6520-6529

6530-6539

6540-6549

6550-6559

6560-6569

6570-6579

6580-6589

6590-6599

6600-6609

6610-6619

6620-6629

6630-6639

6640-6649

6650-6659

6660-6669

6670-6679

6680-6689

6690-6699

6700-6709

6710-6719

6720-6729

6730-6739

6740-6749

6750-6759

6760-6769

6770-6779

6780-6789

6790-6799

6800-6809

6810-6819

6820-6829

6830-6839

6840-6849

6850-6859

6860-6869

6870-6879

6880-6889

6890-6899

6900-6909

6910-6919

6920-6929

6930-6939

6940-6949

6950-6959

6960-6969

6970-6979

6980-6989

6990-6999

7000-7009

7010-7019

7020-7029

7030-7039

7040-7049

7050-7059

7060-7069

7070-7079

7080-7089

7090-7099

7100-7109

7110-7119

7120-7129

7130-7139

7140-7149

7150-7159

7160-7169

7170-7179

7180-7189

7190-7199

7200-7209

7210-7219

7220-7229

7230-7239

7240-7249

7250-7259

7260-7269

7270-7279

7280-7289

7290-7299

7300-7309

7310-7319

7320-7329

7330-7339

7340-7349

7350-7359

7360-7369

7370-7379

7380-7389

7390-7399

7400-7409

7410-7419

7420-7429

7430-7439

7440-7449

7450-7459

7460-7469

7470-7479

7480-7489

7490-7499

7500-7509

7510-7519

7520-7529

7530-7539

7540-7549

7550-7559

7560-7569

7570-7579

7580-7589

7590-7599

7600-7609

7610-7619

7620-7629

7630-7639

7640-7649

7650-7659

7660-7669

7670-7679

7680-7689

7690-7699

7700-7709

7710-7719

7720-7729

7730-7739

7740-7749

7750-7759

7760-7769

7770-7779

7780-7789

7790-7799

7800-7809

7810-7819

7820-7829

7830-7839

7840-7849

7850-7859

7860-7869

7870-7879

7880-7889

7890-7899

7900-7909

7910-7919

7920-7929

7930-7939

7940-7949

7950-7959

7960-7969

7970-7979

7980-7989

7990-7999

8000-8009

8010-8019

8020-8029

8030-8039

8040-8049

8050-8059

8060-8069

8070-8079

8080-8089

8090-8099

8100-8109

8110-8119

8120-8129

8130-8139

8140-8149

8150-8159

8160-8169

8170-8179

8180-8189

8190-8199

8200-8209

8210-8219

8220-8229

8230-8239

8240-8249

8250-8259

8260-8269

8270-8279

8280-8289

8290-8299

8300-8309

8310-8319

8320-8329

8330-8339

8340-8349

8350-8359

8360-8369

8370-8379

8380-8389

8390-8399

8400-8409

8410-8419

8420-8429

8430-8439

8440-8449

8450-8459

8460-8469

8470-8479

8480-8489

8490-8499

8500-8509

8510-8519

8520-8529

8530-8539

8540-8549

8550-8559

8560-8569

8570-8579

8580-8589

8590-8599

8600-8609

8610-8619

8620-8629

8630-8639

8640-8649

8650-8659

8660-8669

8670-8679

8680-8689

8690-8699

8700-8709

8710-8719

8720-8729

8730-8739

8740-8749

8750-8759

8760-8769

8770-8779

8780-8789

8790-8799

8800-8809

8810-8819

8820-8829

8830-8839

8840-8849

8850-8859

8860-8869

8870-8879

8880-8889

8890-8899

8900-8909

8910-8919

8920-8929

8930-8939

8940-8949

8950-8959

8960-8969

8970-8979

8980-8989

8990-8999

9000-9009

9010-9019

9020-9029

9030-9039

9040-9049

9050-9059

9060-9069

9070-9079

9080-9089

9090-9099

9100-9109

9110-9119

9120-9129

9130-9139

9140-9149

9150-9159

9160-9169

9170-9179

9180-9189

9190-9199

9200-9209

9210-9219

9220-9229

9230-9239

9240-9249

9250-9259

9260-9269

9270-9279

9280-9289

9290-9299

9300-9309

9310-9319

9320-9329

9330-9339

9340-9349

9350-9359

9360-9369

9370-9379

9380-9389

9390-9399

9400-9409

9410-9419

9420-9429

9430-9439

9440-9449

9450-9459

9460-9469

9470-9479

9480-9489

9490-9499

9500-9509

9510-9519

9520-9529

9530-9539

9540-9549

9550-9559

9560-9569

9570-9579

9580-9589

9590-9599

9600-9609

9610-9619

9620-9629

9630-9639

9640-9649

9650-9659

9660-9669

9670-9679

9680-9689

9690-9699

9700-9709

9710-9719

9720-9729

9730-9739

9740-9749

9750-9759

9760-9769

9770-9779

9780-9789

9790-9799

9800-9809

9810-9819

9820-9829

9830-9839

9840-9849

9850-9859

9860-9869

9870-9879

1
3
Production of synthetic glycerol. P. G. Sergeev, A. A.
Anisimov, and L. M. Bukreeva. *Khim. Nauka i Prom.* 1
1964, No. 1, pp. 1-4. (Russian)

of glycerol production, with an extensive bibliography.

Maureen Anderson

PM

Distr: LE2c(3)/LE4y/LE3d

7 7
Isomerization of propylene oxide. P. G. Sergeev, L. M. Bukreeva, and A. G. Polkovnikova. *Khim. Nauka i Prom.* 2 133(1957).—Using 70% LiPO_4 instead of pure LiPO_4 , and very short contact time 97–98% allyl alc. can be obtained from propylene oxide. The catalyst can be readily regenerated by blowing through it a mixture of vapor and air.

5
2 may
3

ja-g

Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov.

15415KE7EVA, L.M.

Distr: 4E4J/

Glycerol. P. G. Sergeyev, L. M. Bukharaeva, and A. G. Polkovnikova. U.S.S.R. 107,762, Oct. 25, 1957. Glycerol is obtained by oxidation of allyl alc. with H_2O_2 in the presence of H_2WO_4 . For best results, an aq. soln. of allyl alc. is oxidized at ordinary temp. with H_2O_2 to glycidol and the latter is saponified to glycerol by heating the soln. to 70° .

M. Hosh

· BUKREYEVA, L. M.

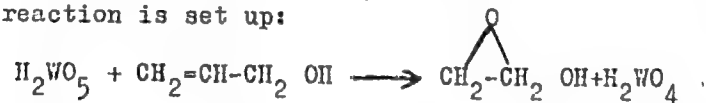
AUTHORS: Sergeyev, P. G. , Bukreyeva, L. M.

79-1-21/63

TITLE: The Reaction of Hydrogen Peroxide With Allyl Alcohol and Acrolein in the Presence of Tungstic Acid (Reaktsiya perekisi vodoroda s allilovym spirtom i akroleinom v prisutstvii vol'framovoy kisloty)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol.28, Nr 1, pp.101-103(USSR)

ABSTRACT: Papers devoted to the reaction of unsaturated compounds with hydrogen peroxide in the presence of catalysts were recently published. It is shown that the peroxide is added to the double bonds. The present paper investigated its conversions with allyl alcohol or acrolein in the presence of tungstic acid. With regard to allyl alcohol the following process of reaction is set up:



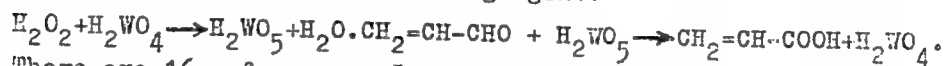
Card 1/3

H₂O₂ with tungstic acid forms pertungstic acid which latter

The Reaction of Hydrogen Peroxide With Allyl Alcohol and Acrolein in the Presence of Tungstic Acid 79-1-21/63

acts upon the double bond of allyl alcohol and forms glycidic alcohol.

The glycidic alcohol is then hydrated to glycerin. With acrolein the reaction exclusively takes place with the carbonyl group, where mainly acrylic acid is produced. When on that occasion the osmium anhydride (American patent of the firm Shell) is used instead of tungstic acid, another reaction takes place in which the peroxide is added to the double bond and the glycerin aldehyde is produced, which the authors try to explain by formulae with the process of reaction described. In contrast to it this process in the presence of tungstic acid takes place under the previous formation of pertungstic acid as oxidizing agent:



There are 16 references, 3 of which are Slavic.

ASSOCIATION: Scientific Research Institute for Synthetic Alcohols and Organic Products (Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov)

Card 2/3

79-1-21/63

The Reaction of Hydrogen Peroxide With Allyl Alcohol and Acrolein in the
Presence of Tungstic Acid

SUBMITTED: December 26, 1956

AVAILABLE: Library of Congress

Card 3/3

1. Chemistry 2. Tungstic acid 3. Allyl compounds 4. Hydrogen
peroxide-Chemical reactions

SERGFYEV, P.G.; BUKREYEVA, L.M.; POLKOVNIKOVA, A.G.

Synthesis of allyl alcohol by isomerization of propylene oxide.
Zhur. prikl. khim. 31 no.9:1415-1419 S '58. (MIRA 11:10)
(Allyl alcohol) (Propylene oxide)

BUKREYEVA, N. Ye.

BUKREYEVA, N. Ye.

"Sugar Beet Root Quality in Relation to Growth Conditions."
Cand Biol Sci, Inst of Botany, Acad Sci Kazakh SSR, Alma-Ata,
1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

BUKREYVA, N. Ye.

[Ways of increasing yield and sugar content of sugar beets]
Puti povysheniia urozhais i sakharistosti sakharnoi svekly.
Alma-Ata, Akad. nauk Kazakhskoi SSR, 1954. 27 p. (MIRA 10:4)
(Sugar beets)

Bukreyeva, N.E.

The quality of the sugar-beet root in dependence on the conditions of growth. N. E. Bukreyeva. *Izv. Akad. Nauk Kazakh. S.S.R., Ser. Biol.* 1955, No. 10, 100-107. P + K fertilization during the 2nd phase of vegetation is essential for the development of good quality sugar beet with a high sugar content. A predominant N supply and insufficient irrigation during this phase lower root quality. Traces of B and Mn are useful, but their effectiveness is rather low. G. M. Kosolapoff

MD

Country : USSR
Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

M

Abs Jour: RZhBiol., No 22, 1958, No 100397

Author : Dobrunov, L.G.; Bukreyeva, N.Ye.
Inst : Inst of Botany, AS Kazakh SSR
Title : Characteristics of the Growth and Quality
Indicators in Sugar Beet Roots Under the
Conditions of New Methods of Cultivation.

Orig Pub: Tr. In-ta botan. AN kazSSR, 1957, 5, 210-220

Abstract: A study of the square-pocket, square and
drill sowings of sugar beets showed that with
an increase in the bed, the vigor of the growth
and physiological processes heighten: the
intensity in the growth of the assimilative

Card : 1/3

M-124

Country : USSR

M

Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100397

surface of the leaves, and the weight of the blade and the petiole increase, the conditions of water supply in the plants improve, the concentration of cell sap becomes lower, photosynthesis intensifies and the chlorophyll content rises. During this, the mass of the root increases but its ripening is retarded, which leads to a lowering in the sugar content, an increase in the content of harmful N, insoluble pectins, and ash. Raising the quality of the roots is possible by means of efficient feeding and water supply. Under the conditions of the southern zone of beet growing in Kazakhstan,

Card : 2/3

Country : USSR

M

Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

Abs Jour: RZhBiol., No 22, 1958, No 100397

the phosphoro-potassium nutrition of the beets should be intensified in the second half of vegetation together with an adequate supply of all nutrients, especially N, in the first half. In the pre-harvest period, it is necessary to reduce water supply in order to stop the growth of the leaves, but one should not permit their premature wilting. -- G. Yu. Dinesman

Card : 3/3

M-125

RUMANIA/Meadow Cultivation.

L

Abs Jour : Ref Zhur Biol., No 14, 1958, 63266

Author : Bukreyeva, T.

Inst : Stalingrad Agricultural Institute

Title : Germination Biology of the "Seeds" of the Agnus Cactus.

Orig Pub : Sb. nauchn. rabot. stud. Stalingr. s.-kh. in-ta, 1956,
vyp. 2, 52-55

Abstract : Viability of the seeds of the agnus cactus changes during the years, or during a single year, depending upon the duration of their cultivation period. The optimal cultivation period should be considered to be from the end of October to the beginning of November. Stimulants affected only the young seeds of 1-5 months of storage.

Card 1/1

DRANITSYNA, Yu.A.; PIGULEVSKIY, G.V.; BUKREYEVA, T.V.

Coumarin compounds from fruits of *Archangelica decurrens* LDB.
Zhur.prikl.khim. 38 no.11:2570-2575 N '65.

(MIRA 18:12)

1. Submitted April 23, 1964.

BUKREYEVA, Ye.I.; KANDYBA, I.M.

Educational and social by useful work of Katerinovskaia students.
Est.v shkole no.1:66-68 Ja-F '56. (MLRA 9:5)

1. Zaveduyushchaya kabinetom biologii i khimii respublikanskogo
instituta usovershenstvovaniya uchiteley Moldavskoy SSR (for
Bukreyev); 2. Uchitel' Katerinovskoy sredney shkoly Kamenskogo
rayona Moldavskoy SSR (for Kandyba).
(Community and school) (Agriculture--Study and teaching)

BUKRINSKAYA, A. G.

BUKRINSKAYA, A. G.--"Role of Nucleonic Acids in the Biology of Medically-Stable Microbes."* (Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) First Moscow Order of Lenin Medical Inst, Moscow, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

* For Degree of Candidate in Medical Sciences

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307420001-4"

GORBUNOVA, A.S.; GERNGROSS, O.G.; GNORIZOVA, V.M.; BUKRINSKAYA, A.G.

Strains of the influenza D virus isolated in Vladivostok and their role in the etiology of the 1956 outbreak; preliminary report [with summary in English]. Vop. virus. 2 no.2:77-86 Mr-Apr '57.

(MLRA 10:6)

1. Institut virusologii Akademii meditsinskikh nauk SSSR, Moskva, i Primorskiy institut epidemiologii, mikrobiologii i gigiyeny, Vladivostok.

(INFLUENZA, epidemiol.

D virus outbreak in Russia (Rus))

USSR / Microbiology. Antibiosis and Symbiosis.
Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76678.

Author : Nakhimovskaya, M. I.; Ostrovskaya, N. N.; Bukrin-
skaya, A. G.

* Inst : ~~Moscow~~

Title : Effect of Penicillin on Several Actinomyces.

Orig Pub: Mikrobiologiya, 1957, 26, No 1, 87-91.

Abstract: The depressing effect of penicillin (I) on 6 strains of actinomyces innoculated in BPM appeared only during high concentrations - not less than 50 units per 1 ml - and was expressed either by a delay in the onset of growth or by an absence of growth. One actinomyces is sensitive to 50-60 units of I per 1 ml, while 500-600 units of I per 1 ml depressed all actinomyces, with the exclusion

* I MOSKOVSKIY ORDENA LENINA MEDITSINSKIY INSTITUT.

Card 1/2

13

USSR / Microbiology. Antibiosis and Symbiosis.
Antibiotics.

F-2

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76678.

Abstract: of one strain of A₁ chromogenes, the growth of which was delayed 1-2 days by 1000-1500 units of I in 1 ml. The growth of actinomyces in the presence of I does not testify to their lack of sensitivity to antibiotics, but is explained by the disappearance of I from the retorts inoculated with actinomyces (in control uninoculated retorts, significant quantities of I were preserved during each test). I disappears before the beginning of the appearance of visible growth, and only in the presence of living cells. I is not indifferent to actinomyces. If I was preserved, actinomyces did not grow: sometimes the destruction of I was accompanied by the perishing of the cultivated material and by the absence of growth. The mechanism of the disappearance of I was not studied.
-- M. I. Nakhimovskaya.

Card 2/2

BUKRINSKAYA, A.G.

Type D influenza virus cultivation in human embryonic tissues. Acta virol. Engl. Ed., Praha 2 no.4:208-219 Oct-Dec 58.

1. Experimental Influenza Laboratory, Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(INFLUENZA VIRUSES, culture
type D virus in human embryonic tissues)

BUKRINSKAYA, A.G.

Direct detection of the influenza virus in human embryo tissue
cultures [with summary in English]. Vop.virus 3 no.3:162-165
My-Je '58 (MIRA 11:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA VIRUSES, culture
direct detection of viruses in human embryo tissue
cultures (Rus))

BUKRINSKAYA, A.G.

Effect of the tetracycline antibiotics on influenza virus D in human embryo lung tissue culture [with summary in English]. Vop. virus 3 no.6:333-337 N-D '58. (MIRA 12:1)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.
(INFLUENZA VIRUSES, effect of drugs on,
tetracyclines on influenza virus D in human lung
tissue culture (Rus))
(TETRACYCLINE, effects,
on influenza virus D in human lung tissue culture (Rus))

BUKRINSKAYA, A.

Adsorption-hemagglutination test in studying respiratory
tract viruses. Vop.virus. 4 no.2:242-244 Mr-Ap '59.
(MIRA 12:6)

(VIRUSES,

gammaadsorption reaction of resp. tract viruses (Rus))

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Letter to the editor. Vop.virus. 4 no.5:624-625 8-0 '59.

(VIRUSES)

(MIRA 13:2)

BUKRINSKAYA, A.G.

Cytopathic effect of type A2 influenza virus in tissue cultures
of different susceptibility. Acta virol 4 no.3:146-149 My '60.

1. The Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical
Sciences, Moscow.

(INFLUENZA VIRUSES, culture)

(TISSUE CULTURE)

BUKRINSKAYA, A.G.; PAKTORIS, E.A.

An outbreak of pneumonia caused by type 1 haemadsorption virus.
Acta virol. 4 no.3:184-186 My '60.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical
Sciences, Moscow.

(PNEUMONIA, PRIMARY ATYPICAL, etiology)

BUKRINSKAYA, A.G.

Types of blood adsorption caused by influenza and para-influenza
viruses; preliminary report. Vop. virus. 5 no. 2:156-160 My-S
'60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.
(INFLUENZA)

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Cytopathogenic effect of viruses in tissue cultures of various degrees of susceptibility on the formation of incomplete forms. Vop. virus. 5 no. 2:225-232 My-D '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.
(INFLUENZA)

BUKRINSKAYA, A.G.

Malignant development of the cellular strain of Cynomolgus monkey heart and the possibilities of using it in producing antiviral preparations. Vop. virus. 5 no. 2:254-255 Mr-S '60. (MIRA 14:4)
(HEART) (VIRUS DISEASES)

BUKRINSKAYA, A.G.

Formation of an incomplete influenza virus of the A2 type and
propagation of the virus in tissue cultures of varying sensitivity.
Vop. virus 5 no.4:446-449 Je-Ag '60. (MIRA 14:1)

1. Institut virusologii D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA)

BUKRINSKAYA, A.G.

Antigen relationships in the group of parainfluenza viruses.
Vop. virus 5 no.4:449-456 Je-Ag '60. (MIRA 14:1)

1. Institut virusologiiimeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA) (ANTIGENS)

ZUYEV, V.A.; BUKRINSKAYA, A.G.

Electron microscope study of parainfluenza viruses. Vop. virus.
5 no.4:490-492 Je-Ag '60. (MIRA 14:1)

1. Moskovskiy nauchno-issledovatel'skiy institut vaktsin i
syvorotok imeni I.I.Mechnikova i Institut virusologii imeni D.I.
Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA VIRUSES)

BUKARINSKAYA, A.G.

Sensitivity of various tissues to para-influenzal viruses and
some features of the serodiagnosis of parainfluenzal diseases.
Vop. virus. 5 no. 6:744-747 N-D '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo, Moskva.
(INFLUENZA)

BUKRINSKAYA, A.G., BLYUMENTAL, K.V.

"The role of para-influenza HA-2 virus in the etiology of pseudocroup
in Moscow."

Report submitted for the 1st Intl. Congress on Respiratory Diseases of
Virus and Rickettsial Origin. Prague, Czech. 23-27 May 1961.

BUKRINSKAYA, A. G.

"Fluorescent microscope study of incomplete sendai virus produced in tissue culture by the action of proflavin.

report submitted for the 1st Intl. Congress on Respiratory Tract Diseases of Virus and Rickettsial Origin, Prague Czech. 23-27 May 1961.

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Mechanism of the penetration of viruses into a cell. Facts and hypotheses. Vop. virus 6 no.4:416-418 J1-Ag '61. (MIRA 14:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(VIRUSES)

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Autoradiographic study of the penetration of Sendai virus into the cells of tissue culture. Report No.1: Production of radioactive isotope-labelled preparations of Sendai virus. Vop. virus. 6 no.5: 542-546 9-0 '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(VIRUSES) (AUTORADIOGRAPHY)

BUKHINSKAYA, A.G.; ZHDANOV, V.M.; RAMENENSKAYA, G.P.

Autoradiographic study of the penetration of Sendai virus into the cells of tissue culture. Report No.2: Use of virus preparations labelled with P32. Vop. virus. 6 no.5:547-552 S-O '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva i Institut morfologii zhivotnykh AN SSSR imeni A.N.Severtseva, Moskva.
(VIRUSES) (AUTORADIOGRAPHY)

BUKRINSKAYA, A.G.; ZHDANOV, V.M.

Formation of symplasts in cultures of transplanted tissues containing Sendai virus. Vop.virus. 7 no.3:364-366 My-Je '61. (MIRA 14:7)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA) (TISSUE CULTURE)

HUKRINSKAYA, A.G.

"Autoradiographic studies of interaction of cirus particles with
susceptible cells."

Report submitted to the Intl. Congress for Microbiology
Montreal, Canada 19-25 Aug 1962

BLYUMENTAL', K.V.; BUKRINSKAYA, A.G.

Group of parainfluenzal etiology. Pediatriia no.2:43-48 '62.

(MIRA 15:3)

1. Iz infektsionnogo otdela (zav. - prof. M.Ye. Sukhareva) kafedry
pediatrii Tsentral'nogo instituta usovershenstvovan'ya vrachey
(zav. - deystvitel'nyy chlen AMN SSSR prof. G.N. Speranskiy) na
baze bol'nitsy imeni I.V. Rusakova i Instituta virusologii imeni
D.I. Ivanovskogo AMN SSSR.

(CROUP)

(INFLUENZA)

ZHDANOV, V. M.; BUKRINSKAYA, A. G.

Studies on the initial stage of virus-cell interaction. Acta virol.
(Praha)[Eng]6 no.2:105-113 Mr '62.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical
Sciences, Moscow.

(VIRUSES culture)

BUKRINSKAYA, A. G.; HO YUN-DE; GORBUNOVA, A. S.

Further investigations on the antigenic relationships between type 2 haemadsorption (Ha-2) and Sendai viruses. Acta virol. (Praha)[Eng] 6 no.4:352-356 J1 '62.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(VIRUSES immunol) (ANTIGENS)

BUKRINSKAYA, A.G.; YERSHOV, F.I.; ZHDANOV, V.M.

Luminescence microscopic study of tissue cultures in the
initial stages of the interaction with the Sendai virus.
Vop. virus 7 no.1:18-22 Ja-F '62. (MIRA 15:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR,
Moskva, i II Moskovskiy meditsinskiy institut imeni N.I.
Pirogova.

(TISSUE CULTURE)
(LUMINESCENCE)
(INFLUENZA--MICROBIOLOGY)

BUKRINSKAYA, A.G.

Luminescence microscopic study of the formation of incomplete Sendai viruses in tissue cultures treated with proflavine. Vop. virus. 7
no.2:140-144 Mr-Ap '62. (MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(VIRUSES) (PROFLAVINE) (TISSUE CULTURE)

ZHDANOV, V.M.; AZADOVA, N.B.; BUKRINSKAYA, A.G.

Studying the interaction of Sendai virus with tissue culture cells by the fluorescent antibody method. Vop. virus. 7 no.2:162-167 Mr-Apr '62.
(MIRA 15:5)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(VIRUSES) (ANTIGENS AND ANTIBODIES)
(TISSUE CULTURE)

ABELEV, G.I., kand. med. nauk; BUKRINSKAYA, A.G., kand. med. nauk;
 GEL'TSER, R.R., prof.; GOLINEVICH, Ye.M., prof.; ZHDANOV, V.M.,
 prof.; ZDRODOVSKIY, P.F., prof.; KALINA, G.P., prof.; KAULEN,
 D.R., kand. med. nauk; KIKTENKO, V.S., prof.; KRYLOVA, O.P.,
 kand. med. nauk; KUCHERENKO, V.D., kand. med. nauk; LOMAKIN,
 M.S., kand. med. nauk; MOSING, G.S., doktor med. nauk; PERSHINA,
 Z.G., kand. sel'khoz. nauk; PEKHOV, A.P., doktor biol. nauk;
 PESHKOV, M.A., prof.; TIKHONENKO, T.I., kand. med. nauk;
 TOVARNITSKIY, V.I., prof.; SHEN, R.M., prof.; ETINGOF, R.N.,
 kand. med. nauk; KALININA, G.P., prof., nauchnyy red. toma;
 ZHUKOV-VEREZHNIOV, N.N., prof., otv. red.; VYGODCHIKOV, G.V.,
 prof., zamest. otv. red.; TIMAKOV, V.D., prof., zam. otv. red.
 BAROYAN, O.A., prof., red.; KALINA, G.P., red.; PETROVA, N.K.,
 tekhn. red.

[Multivolume manual on the microbiology, clinic, and epidemiology
 of infectious diseases]Mnogotomnoe rukovodstvo po mikrobiologii
 klinike i epidemiologii infektsionnykh boleznei. Moskva, Medgiz,
 Vol.2. [General microbiology]Obshchaya mikrobiologiya. Red. V.M.
 Zhdanov. 1962. 535 p.

(MIRA 16:1)

(Continued on next card)

RUMANIA

V.M. JDANOV and Alla G. BUKRINSKAYA, "Ivanovski" Virology Institute of the Academy of Medical Sciences, Moscow, USSR. [original name not given.]

"Interaction of Sendai Virus with Tissue Culture Cells."

Bucharest, Studii si Cercetari de Infamicrobiologie, Vol 14, No 2, 1963; pp 119-130.

Abstract [English summary modified]: Electron microscopy, p32 autoradiography and fluorescent antibody studies with Sendai virus, human amniotic and other cells. After virus contacts cells, hemagglutinin titer ratios with chick and guinea pig RBC changes, suggesting destruction of virus particles and appearance of free hemagglutinins. Extracts and cathepsins from tissues sensitive to virus in vitro have more virus-destructive and proteolytic activity than from non-sensitive tissues. Viral nucleic acid penetrates cell rapidly, reaching nucleoli within minutes; within an hour it is in the nucleus and perinuclear cytoplasm as shown by fluorescent antibody tagging. Two graphs; 12 electron & 6 light photomicrographs; 4 tables.

1/1

BUKRINSKAYA, A.G.; BLYUMENTAL', K.V.

Role of the para-influenza viruses in the etiology of pseudocroup.
Vop.virus.7 no.5:567-572 S-O '62. (MIRA 15:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR i
TSentral'nyy institut usovershenstvovaniya vrachey, Moskva.
(INFLUENZA--MICROBIOLOGY) (CROUP)

ZHDANOV, V.M.; BUKRINSKAYA, A.G.

Effect of actinomycin D and aurantin on the multiplication of
some myxoviruses. Vop. virus 8 no.2:230-232 Mr-Ap'63

(MIRA 16:12)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

ZHDANOV, V.M.; ZBARSKIY, I.B.; BUKRINSKAYA, A.G.; RAMEYSKAYA, G.P.

Study of the initial stage of interaction of Sendai virus with cells using the autoradiographic method. *Bull. eksp. biol. i med.* 56 no.7:67-72 J1'63 (MIRA 17:3)

1. Iz laboratorii fiziologii virusov (zav. - deystvitel'nyy chlen AMN SSSR V.M. Zhdanov) Instituta virusologii imeni D.I. Ivanovskogo (dir. - deystvitel'nyy chlen AMN SSSR V.M. Zhdanov) AMN SSSR i laboratorii biokhimii kletochnykh struktur (zav. - doktor biologicheskikh nauk I.B. Zbarskiy) Instituta morfologii zhivotnykh imeni Severtsova (dir. - chlen-korrespondent AN SSSR prof. G.K. Khrushchev) AN SSSR, Moskva.

ZHDANOV, V.M.; BUKRINSKAYA, A.G.; RAMENSKAYA, G.P.

Localization of the intracellular synthesis of Sendai virus RNA.
Vop. virus 8 no.5:564-568 S-0'63 (MIRA 17:1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR i Institut morfologii zhivotnykh imeni A.N. Severtseva AN SSSR, Moskva.

BUKRINSKAYA, A.G., doktor med. nauk

Intracellular reproduction and the informational function of
viral nucleic acids. Virusy i virus. zabol. no.1:3-25 '64.
(MIRA 18:2)

BUKRINSKAYA, A.G.; SMIRNOV, Yu.A.; TIKHONENKO, T.I.; KISELEV, P.L.

Purification and concentration of Sendai virus by chromatography on TEAE-cellulose. Acta virol. (Praha) [Eng.] 9 no.1: 92 Ja '65

1. The Ivanovsky Institute of Virology, U.S.S.R., Academy of Medical Sciences, Moscow.

BUKRINSKAYA, A.G.; GITEL'MAN, A.K.; VORKUNOVA, G.K.

Early proteins of myxoviruses. Vop. virus. 9 no.5:569-575
S.-O '64. (MIRA 18:6)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

BUKRINSKAYA, A. G.

"The reproduction of myxoviruses in the presence of actinomycin D."

report presented at 4th Intl Cong, Hungarian Soc of Microbiologists, Budapest,
30 Sep-3 Oct 64.

Inst of Virology im D. I. Ivanovskiy, AMS USSR, Moscow.

BUKRINSKAYA, A. G.; AZADOVA, N. B.; GITEL'MAN, A. K.; VORKUNOVA, G. K.

"Nekotorye zakonomernosti reproduksii rnk-miksovirusov."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Institut virusologii im D. I. Ivanovskogo AMN SSSR, Moskva.

UGOLEVA, N.A.; BUKRINSKAYA, A.G.; NOSACHEVA, A.D.

Nucleotide composition of ribonucleic acid in the Sendai virus
(strain IM-1). Vop. med. khim. 10 no.5:550-552 S-O '64.

(MIRA 18:11)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

BLKRINSKAYA, A.G.; VORKUNOVA, G.K.

Reproduction of ribonucleic acid of the influenza virus in
the presence of low concentrations of actinomycin D. Vop.
virus. 9 no.6:657-661 N-D '64.

(MIRA 18:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

BUKRINSKAYA, A.G.; GITEL'MAN, A.K.; BORDUCHOVA, V.; SHEN' GUI-FAN [Jên
~~Kuei-fang~~]

Effect of histones on the reproduction of myxoviruses. Vop.
virus. 10 no. 6:720-726 N-D '65 (MIRA 19:1)

NESTEROV, V.A., kand.med.nauk, ~~BUKRINSKAYA, B.Kh.~~

Decrease in infant mortality in cities of Krasnodar Territory.
Sov. zdrav. 17 no.6:38-40 Je '58 (MIRA 11:6)

1. Iz kafedry organizatsii zdravookhraneniya Kubanskogo
meditsinskogo instituta (i.o. zav. - kand.med.nauk V.A. Nesterov)
i iz nauchno-metodicheskogo byuro sanitarnoy statistiki (zav. B.Kh.
Bukrinskaya) Krasnodarskogo krayzdravotdela.
(INFANT MORTALITY

decrease in Russia (Rus))

MAL'ISEV, B.K., kand. tekhn. nauk; BUKRINSKIY, A.M., kand. tekhn. nauk

I-s diagram for the combustion products of Saratov gas in the
adi with $\alpha=1$ and consideration of dissociation. Teploenergetika
12 no.2:93 F '65. (MIRA 18:3)

1. Vsesoyuznyy teploekhnicheskii institut.

RATNER, A.V., kand.tekhn.nauk; BUKRINSKIY, A.M., kand.tekhn.nauk

Calculation of cavitation modes in feed regulating fittings.

Teploenergetika 12 no.10:41-43 0 '65.

(MIRA 18:20)

1. Vsesoyuznyy teploekhnicheskii institut.

BURKINSKIY, V. A.

"Geometrical Methods for studying the Displacement of the Central Region of the Donbass." Thesis for degree of Cand. Technical Sci. Sub 10 Oct 49, Moscow Mining Inst imeni I. V. Stalin.

Disertations Presented for Degrees in Science and Engineering in Moscow in 1949.
From Vechernyaya Moskva, Jan-Dec, 1949.

BUKRINSKIY, V.A., dotsent, kandidat tekhnicheskikh nauk.

~~Errors on technical data for boreholes in prospecting mine~~
fields of the Moscow Basin. Nauch. trudy MGI no.12:106-113
'54. (MLRA 10:2)

(Moscow Basin--Prospecting) (Mine surveying)

BUKRINSKIY, V.A.; SLAVOROSOV, A.Kh.; RYZHOV, P.A., redaktor.

[P.K.Sobolevskii, founder of the science of mine geometry]
Osnovopolozhnik geometrii neдр P.K.Sobolevskii. Pod red.
P.A.Ryzhova. Moskva, Ugletekhizdat, 1954. 115 p. (MLBA 7:11D)

KULIKOV, Petr Kuz'mich; BUKRINSKIY, V.A., otvetstvennyy redaktor;
SIOVOROSOV, A.Kh., redaktor izdatel'stva; ALADOVA, Ye.I., tekhnicheskii redaktor

[Methods of exploring dislocations of strata] Metody poiskov smeshchennogo kryla plasta. Moskva, Ugletekhnizdat, 1956. 31 p.
(Coal mines and mining) (MLRA 9:9)

BUKRINSKIY, V.A.

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk;
 AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.;
 ANTROPOV, A.N., inzh.; APANAS'YEV, B.L., inzh.; BERGMAN, Ya.V.,
 inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A.,
 kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV,
 B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A.,
 kand.tekhn.nauk; DORONKIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S.,
 inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.;
 KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F.,
 prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.;
 LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K.,
 dots., kand.geol.-min.nauk; MEPUKISHVILI, G.Ye., inzh.; MIRONOV, K.V.,
 inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik;
 NEKIPPELOV, V.Ye., inzh.; PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N.,
 doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn.
 nauk; RASHKOVSKIY, Ya.E., inzh.; ROMANOV, V.A., prof., doktor tekhn.
 nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.;
 SPERANSKIY, M.A., inzh.; TEREENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor
 khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-
 min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh.
 [deceased]; KHOMENOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOV-
 SKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A.,
 red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.;
 BURTSSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.;
 RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand.
 tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu.,
 inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor
 tekhn.nauk, red.

(Continued on next page)

ABRAMOV, S.K.--- (continued) Card 2.

ZDANOVICH, V.G., prof., doktor tekhn.nauk, red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.; SENDERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand.tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROBOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii apravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiya ugol'nykh mostorozhdenii i marksheiderskoe delo. Redkolegiya tova S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)